

L# ANSWER 84 OF 104 CAPLUS COPYRIGHT 2003 ACS on STN
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TI 2-Acyloxy-1,1,2,3,3-pentahydroperfluoroalkanamine ***betaines***

PA du Pont de Nemours, E. I., and Co., Japan

SO Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI JP 56122336 | A2 | 19810925 | JP 1981-11770 | 19810130 |
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| JP 03051458 | B4 | 19910806 | | |
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| JP 03246262 | A2 | 19911101 | JP 1990-100137 | 19900416 |
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PRAI US 1980-117670 19800201

AB The title ***betaines*** RCH₂CH(O₂CR₁)CH₂N+R₂R₃(CH₂)_mCO₂- (R = C₄-20

perfluoroalkyl ; R₁ = C₁-4 alkyl; R₂, R₃ = C₁-4 alkyl, C₁-4 alkenyl, or NR₂R₃ = N-heterocycle; m = 1-4) were prep'd. For example, RCH₂CHICH₂OH (R = C₄-12 ***perfluoroalkyl***) were treated with NaOH and KOH and then Me₂NH

[124-40-3] to give 92.4% RCH₂CH(OH)CH₂NMe₂ (R = C₄F₉ 4.0, C₆F₁₃ 54.0, C₈F₁₇ 34.4, C₁₀F₂₁ 6.0, C₁₂F₂₅ 1.6%) which were acetylated and treated with ClCH₂CO₂Na [3926-62-3] in the presence of KI to give a ***betaine*** mixt. with surface tension 17.4, 19.3, and 36.0 dyne/cm at 0.1, 0.01, and 0.001% concn. in aq. solns., resp.

IC C07C101-12; C07D295-14; C11D001-90

DT ***Patent***

LA Japanese